What is claimed is:

- 1. A shielded cable device comprising:
 - A conductor; and
- a conductive shield surrounding said conductor wherein said conductive shield comprises a conductive loaded,
- 5 resin-based material comprising conductive materials in a base resin host.
 - 2. The device according to Claim 1 wherein the ratio, by weight, of said conductive materials to said resin host is between about 0.20 and about 0.40.
 - 3. The device according to Claim 1 wherein said conductive materials comprise metal powder.
 - 4. The device according to Claim 3 wherein said metal powder is nickel, copper, silver, or is a material plated with nickel, copper, or silver.
 - 5. The device according to Claim 3 wherein said metal powder comprises a diameter of between about 3 μm and about 12 μm .
 - 6. The device according to Claim 1 wherein said conductive materials comprise non-metal powder.

- 7. The device according to Claim 6 wherein said non-metal powder is carbon, graphite, or an amine-based material.
- 8. The device according to Claim 1 wherein said conductive materials comprise a combination of metal powder and non-metal powder.
- 9. The device according to Claim 1 wherein said conductive materials comprise micron conductive fiber.
- 10. The device according to Claim 9 wherein said micron conductive fiber is nickel plated carbon fiber, stainless steel fiber, copper fiber, silver fiber or combinations thereof.
- 11. The device according to Claim 9 wherein said micron conductive fiber pieces each have a diameter of between about 3 μm and about 12 μm and a length of between about 2 mm and about 14 mm.
- 12. The device according to Claim 1 wherein said conductive materials comprise a combination of conductive powder and conductive fiber.

- 13. The device according to Claim 1 wherein said conductor comprises a wire with a surrounding insulating layer.
- 14. The device according to Claim 13 further comprising a metal layer overlying a part of said conductive shield.
- 15. The device according to Claim 13 further comprising a grounding conductor embedded in said conductive shield.
- 16. The device according to Claim 13 further comprising an insulating outer jacket surrounding said conductive shield.
- 17. The device according to Claim 16 wherein said insulating outer jacket comprises a resin-based material.
- 18. The device according to Claim 17 wherein said resin host of said conductive shield is the same material composition as said resin-based material of said insulating outer jacket.
- 19. The device according to Claim 13 further comprising at least one additional conductor wherein said additional conductor comprises a wire with a surrounding insulating layer.

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20. The device according to Claim 19 wherein said conductor and said additional conductor are twisted together to form a twisted pair of signal wires.

21. The device according to Claim 20 further comprising at least one additional twisted pair of signal wires.

22. A shielded cable device comprising:

A conductor wherein said conductor comprises a wire with a surrounding insulating layer;

a conductive shield surrounding said conductor wherein said conductive shield comprises a conductive loaded, resin-based material comprising conductive materials in a base resin host; and

an insulating outer jacket surrounding said conductive shield.

- 23. The device according to Claim 22 wherein the ratio, by weight, of said conductive materials to said resin host is between about 0.20 and about 0.40.
- 24. The device according to Claim 22 wherein said conductive materials comprise metal powder.

- 25. The device according to Claim 22 wherein said conductive materials comprise non-metal powder.
- 26. The device according to Claim 22 wherein said conductive materials comprise a combination of metal powder and non-metal powder.
- 27. The device according to Claim 22 wherein said conductive materials comprise micron conductive fiber.
- 28. The device according to Claim 22 wherein said conductive materials comprise a combination of conductive powder and conductive fiber.
- 29. The device according to Claim 22 further comprising a metal layer overlying a part of said conductive shield.
- 30. The device according to Claim 22 further comprising a grounding conductor embedded in said conductive shield.
- 31. The device according to Claim 22 wherein said insulating outer jacket comprises a resin-based material.

- 32. The device according to Claim 22 further comprising at least one additional conductor wherein said additional conductor comprises a wire with a surrounding insulating layer.
- 33. The device according to Claim 32 wherein said conductor and said additional conductor are twisted together to form a twisted pair of signal wires.
- 34. The device according to Claim 33 further comprising at least one additional twisted pair of signal wires.
- 35.A method to form a shielded cable device, said method comprising:

providing a conductor; and

forming a conductive shield surrounding said conductor

wherein said conductive shield comprises a conductive

loaded, resin-based material further comprising conductive

materials in a resin host.

36. The method according to Claim 35 wherein the ratio, by weight, of said conductive materials to said resin host is between about 0.20 and about 0.40.

- 37. The method according to Claim 35 wherein the conductive materials comprise a conductive powder.
- 38. The method according to Claim 35 wherein said conductive materials comprise a micron conductive fiber.
- 39. The method according to Claim 35 wherein said conductive materials comprise a combination of conductive powder and conductive fiber.
- 40. The method according to Claim 35 wherein said step of forming a conductive shield comprises:

pulling said conductor;

extruding said conductive loaded, resin-based material onto said pulled conductor to thereby form said conductive shield; and

curing said conductive loaded, resin-based material.

- 41. The method according to Claim 40 further comprising extruding an insulating outer jacket onto said conductive shield.
- 42. The method according to Claim 35 wherein said step of forming a conductive shield comprises:

pulling said conductor; and

wrapping said conductive loaded, resin-based material

onto said pulled conductor to thereby form said conductive
shield wherein said conductive loaded, resin-based material
is previously formed into a conductive fabric.

43. The method according to Claim 42 further comprising extruding an insulating outer jacket onto said conductive shield.

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